

# SYSTEM FOR COLLECTING AND ANALYZING GRAPHICS DATA AND METHOD THEROF

## Abstract Of The Disclosure

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A system and methods are shown for performing a hardware performance analysis of graphics hardware and an application program. An application program generates a set of function calls. The function calls are translated to a native command set. The native command set is stored within a database. Software simulations and hardware emulations are used to compare the stored native command set data to a hardware architectural description of the graphics hardware. Data collected from the simulations are used to provide a performance model from which the performance of a graphics hardware executing commands for the application program can be determined.